

T E R R A

SEPTEMBER/OCTOBER 1996
VOLUME 33 ■ NUMBER 5

NATURAL HISTORY MUSEUM OF
LOS ANGELES COUNTY



Join us for the unveiling of the **Dueling Dinosaurs!!**

DUELING DINOSAURS

VISITORS TO THE MUSEUM OF Natural History in Exposition Park find it difficult not to be overwhelmed by the sheer size and vibrancy of the “dueling dinosaurs” that now grace the main foyer, thanks to a generous gift from Museum Fellows Dr. S. Jerome and Mrs. Judith D. Tamkin and the Tamkin Foundation. Towering above enthralled onlookers, *Tyrannosaurus rex*—the best known of all predacious dinosaurs—stoops to attack the rhino-like *Triceratops* in the re-creation of a scene that must have taken place frequently toward the end of the Cretaceous Period, some 65 million years ago. The installation of this new permanent display, which will be completed by the end of 1996, is the last chapter in a story that began some three decades ago.

Following the removal of the fine art collections to the Los Angeles County Museum of Art in 1964, Dr. Herbert Friedmann, then director of the Natural History Museum, decreed that the most

pressing priority of his reconstituted institution was to create a new dinosaur hall. Responding to Dr. Friedmann’s challenge, Museum Trustee William T. Sesnon funded a number of expeditions to Hell Creek in Montana for the purpose of locating Cretaceous dinosaur material complete enough to place on exhibition. Ace prospector Harley Garbani was retained to head the collecting team, which he staffed mainly with student volunteers.

Five consecutive collecting seasons in Montana between 1964 and 1969 yielded a wealth of dinosaurian material, including three duckbill skeletons (*Edmontosaurus*), two *Triceratops* skulls—one associated with a partial skeleton, and the skull and foot of a *Tyrannosaurus*. One of the *Triceratops* skulls was complete, though partially crushed, and has been on permanent exhibit since 1970.

When discovered, the *Tyrannosaurus* skull had been disarticulated into many pieces, and it wasn’t completely reassembled until 1973. By then it had become

obvious that it was the largest and most complete *Tyrannosaurus* skull known to science, and it carried this distinction until just recently, when an even bigger *T. rex* skull was found by a party from the Black Hills Institute of South Dakota.

The *Tyrannosaurus* skull and foot were associated with additional limb bone fragments and vertebrae, some of which belonged to a second, smaller individual. The skull and foot were duly placed on display but with long-standing regret that we had nothing to fill the intervening space! Then, in the mid 1980s, we exchanged a cast of our skull for the cast of a headless *T. rex* skeleton that had been found by the Tyrrell Museum in Canada. In this way, both institutions acquired the material for a relatively complete (if partially fabricated) exhibit. The relocation of the Natural History Museum’s Jurassic dinosaur skeletons from the main foyer to the Governors’ Gallery in 1992 finally released a large enough space in which to display *Tyrannosaurus* to good effect.



LEFT
Tyrannosaurus rex bones being excavated from an ancient stream channel near Hell Creek, Montana, in 1969; a jaw fragment is visible at the left. Photograph by Walter Frisbee.

BOTTOM, PAGES 2 AND 3

At the end of the 1969 field season, plaster jackets containing dinosaur bones were loaded onto pallets for transportation back to Los Angeles. Photograph by Walter Frisbee.

COVER

The Tamkin Dueling Dinosaurs, *Tyrannosaurus rex* and *Triceratops*, now on display in the main foyer of the Exposition Park museum. Photograph by Dick Meier and Dan Watson.





LEFT

Tyrannosaurus rex bones being excavated from an ancient stream channel near Hell Creek, Montana, in 1969; a jaw fragment is visible at the left. Photograph by Walter Frisbee.

BOTTOM, PAGES 2 AND 3

At the end of the 1969 field season, plaster jackets containing dinosaur bones were loaded onto pallets for transportation back to Los Angeles. Photograph by Walter Frisbee.

COVER

The Tamkin Dueling Dinosaurs, *Tyrannosaurus rex* and *Triceratops*, now on display in the main foyer of the Exposition Park museum. Photograph by Dick Meier and Dan Watson.





The idea of having the *Tyrannosaurus* and *Triceratops* posed in interaction was the inspiration of Natural History Museum Modelmaker Michael Stokes, who prepared a model of his concept for consideration by Museum President and Director James L. Powell. Dr. Powell in turn showed the model to Dr. and Mrs. Tamkin: excited by the opportunity to provide the museum with a distinctive hallmark that would be particularly appreciated by our younger visitors, the Tamkins offered to underwrite its construction.

The armature or supporting framework for a skeletal mount can be either external or internal. A classic example of external armature can be seen on the museum's cast of the long-necked Chinese sauropod *Mamenchisaurus* (now on display in the Governors' Gallery). Here the neck, legs, and torso are held together by external metal bands, and the whole skeleton is supported upon three very visible vertical steel rods.

The Natural History Museum helped pioneer internal armature, where the skel-

eton is supported on a framework that lies inside the bones. This type of mount, which has been used on most of our other dinosaur and fossil mammal skeletons, provides for a much more realistic pose but has the disadvantage of necessitating drilling through and hence destroying part of the bone in the process. Even when the mounting technique does not harm the skeletal components, paleontologists are often unhappy at the prospect of putting real fossil bones in mounted skeletons because it is then difficult to study them. However, a compromise was reached when assembling the Dueling Dinosaurs.

We decided not to use the real *Tyrannosaurus* and *Triceratops* skulls in the mount—in part because we wanted them available for further scientific study and didn't want them drilled or otherwise damaged, but mainly because they are very heavy, each weighing almost a hundred kilograms (several hundred pounds). Clearly we did not want the skulls breaking off from the relatively slender and

fragile necks in the event of a moderate to severe earthquake temblor!

Although they were replaced by casts in the completed mounts, the real skulls will be located in nearby display cases when the installation is complete so that visitors may study them close up. To complete the mounts, we incorporated as many real bones and bone fragments as possible: about 60 percent of the *Triceratops* is real bone, and about 15 percent of the *Tyrannosaurus*. (The finishing of the casts is so realistic that it is difficult to tell from a distance which element is real bone and which is cast.)

The Dueling Dinosaurs were assembled to our design by Research Casting International of Toronto, under the direction of Peter May, formerly of the Royal Ontario Museum. May's skilled team has mounted more than 300 fossil skeletons for museums throughout the world. Although Research Casting's experts are no strangers to *Triceratops* or *Tyrannosaurus* skeleton mounts, this was their first interactive mount of the two species. As far as they can tell, this is the only such mount in the world, and it is certainly one of which they are extremely proud—they rank it among their finest efforts to date.

The skeletons were mounted in modules in Canada—the *T. rex* divided into seven units, the *Triceratops* into six—and then shipped to Los Angeles for reassembly on site. The hip units of both animals were so large that we had to remove the doors at the museum's north entrance to get them into the building. We started unloading the shipment at 8 a.m. on Tuesday, April 2; in less than 24 hours, the two huge skeletons, each weighing 680 kilograms (1,500 pounds) were up and in place.

The display was, however, far from complete. Each skeleton sits on a solid steel base plate weighing 450 kilograms (1,000 pounds), and these needed to be welded together after the fine tuning of the combatants' positions and covered by a platform so that the feet of the dino-



OPPOSITE, TOP

During the 1969 excavations near Hell Creek, Montana, a block of river channel sandstone matrix containing *Tyrannosaurus* skull fragments is encased in plaster to provide reinforcement for the brittle bones while they are moved from the field to the Natural History Museum. Photograph by Walter Frisbee.

ABOVE

Museum Modelmaker Michael Stokes refines his concept for the Dueling Dinosaurs. Photograph by Dick Meier.

LEFT

William T. Sesnon (right), Mrs. Sesnon, and then Curator Reid McDonald examine the plaster jacket containing a *Triceratops* skull after it arrived at the museum at the end of the 1965 Hell Creek field season. Photograph from the Vertebrate Paleontology archive.



THE DUELING DINOSAURS

will be unveiled as part of a day-long celebration on Saturday, October 26, 1996. Please see page 11 for additional information.

saurs will be resting on a flat surface rather than being suspended above the ground.

Finally, the inside walls of the foyer are being ringed with supporting exhibits about the people who made the concept possible, the different stages of the project, and the context in which the dinosaurs lived. Several displays will be devoted to other kinds of life present on earth at the end of the Cretaceous Period and on the natural history of the two animals. Was *T. rex* a predator or a scavenger? Was the *Triceratops* frill for display, defense, or temperature regulation? These and other intriguing questions will be addressed.

As the school year begins, we look forward to seeing visitors of all ages gazing up at the dueling titans and learning more about life on earth at the very end of the Age of Dinosaurs.

DR. JOHN M. HARRIS
Chief Curator, Paleontology

FIFTY YEARS AND COUNTING!

"SCIENCE EDUCATION SPECIALIST—For Life." These words on Gretchen Sibley's résumé embody the gift that she has made to the Natural History Museum and to the many people she has influenced and affected during her 50 years with the institution. On April 22 of this year, her contributions were formally recognized by the Los Angeles County Board of Supervisors when she was selected from among more than 82,000 worthy candidates as 1996 Countywide Volunteer of the Year.

Ms. Sibley began her association with the museum as an employee, accepting the position of Science Education Specialist in 1946. Fresh from 3 years of teaching science at Garvey Junior High School, she assumed direction of the museum's Natural Science Workshop for outstanding high school students. In this program, initiated during World War II, teenagers had an opportunity to study natural science in depth and to work with actual museum specimens, learning research methods from the museum's curators.

The Natural Science Workshop flour-



ished under Sibley's tutelage, and more than 3,500 students benefited from her inspired leadership during the next 30 years. Many of her former pupils are now in important positions at scientific and cultural institutions across the United States, and several have enjoyed careers at the Natural History Museum, including Dr. Charles Hogue, who was Curator of Entomology from 1962–1992; Greg Byrd, Administrator at the Page Museum in the 1970s and 1980s; Carl Gage, for many years modelmaker in Exhibits; and Jeff Seigel, now Ichthyology Collections Manager and an employee of the museum since 1980. The spirit of Sibley's significant work with young scientists lives on today in our Museum Research Apprenticeship Program.

In 1962 Ms. Sibley founded the museum's Docent Roundtable, a group dedicated to instructing the young people

who visit the museum on school tours. Over the years, Sibley saw the role of the docents expand to include assisting the curatorial, membership, and exhibits divisions and staffing outreach programs to schools, libraries, children's hospitals, and senior citizen centers. More than 600 people have voluntarily served the museum as docents since 1962, and

Gretchen Sibley, 1996 Los Angeles County Volunteer of the Year, circa 1950 (bottom) and today. Photographs by Blackmer Humphrey (bottom) and Dick Meier.

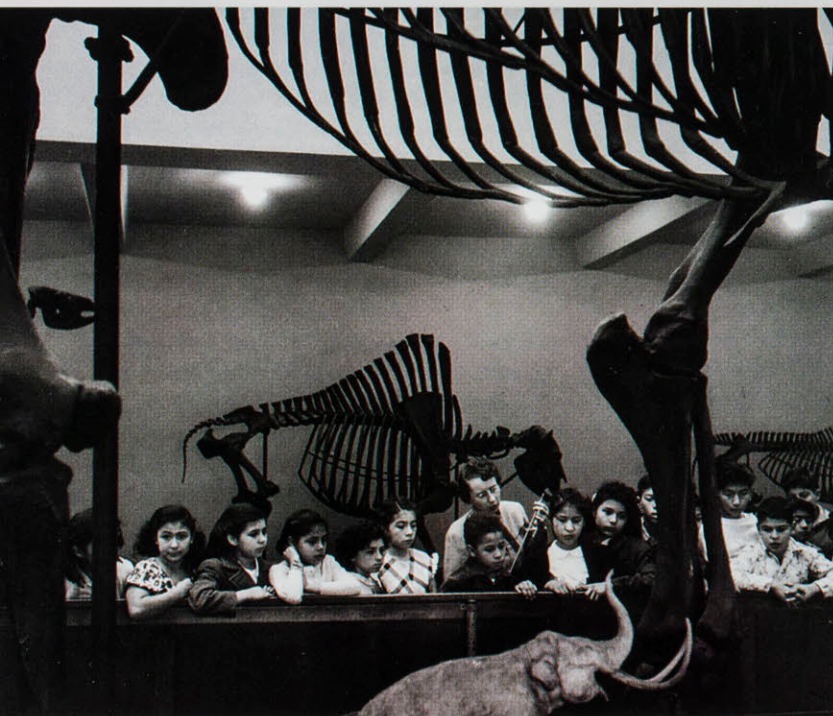
204 individuals are currently active, giving a total of 45,000 hours of service each year.

Ms. Sibley's interests and talents are wide-ranging. She has written articles for *TERRA* and has developed film strips for schools, consulted on books on biology, geography, and geology, and taught scientific illustration classes for young people. In addition to serving on the boards of a number of professional and honorary associations, she was instrumental in founding the Southern California Docent League and directed the Southern California Science Fair for 10 years. Her research focuses on the ancient mammals of Rancho La Brea; she is particularly interested in evidence of disease and abnormality in Pleistocene mammals, and she has become a specialist in the identification of hairs and fibers from Pleistocene deposits.

When Sibley retired from her museum position in 1976, she did not leave her work behind. Instead she began volunteering in the museum's library, collecting photographs, files, and clippings needed to create an archival history of the institution. She is now 82 and, because of somewhat impaired mobility, has had to hire a driver to bring her to Exposition Park from her home in Laguna Hills. But each Tuesday, she can be found in the Research Library, carrying on her projects. Although declared legally blind several years ago, she has overcome this obstacle with various tools, including a closed circuit television that greatly magnifies the printed word and a scanner that reads books and magazines to her out loud.

When interviewed concerning her years of dedication to the museum, Gretchen said, "Government is a service to the people. I feel fortunate to be part of this work, to have spent the last 50 years involved in the work I love." The museum is fortunate to have been the recipient of this gift of love. Many people are richer for it.

JOAN C. GRASTY
Chief of Education



MUSEUM ON THE MOVE

■ FRISKIES SPONSORS EXHIBITION ON CATS

Friskies PetCare, a division of the international food corporation, Nestle, has signed on as a national sponsor of Cats! Wild to Mild, an exciting exhibition being developed by the Natural History Museum. After opening in Los Angeles in March 1997 for 5 months in the Exposition Park museum, the new show will travel throughout North America over the next 5 years.

The exhibition's dynamic and engaging components are being designed by the museum's Exhibits Division to convey a wealth of biological, environmental, and cultural information relating to members of the feline family. Dr. Blaire Van Valkenburgh, Professor of Vertebrate Morphology at UCLA, is guest curator; a panel of scientists, historians, and educators will lend their expertise to the development of the exhibit and related educational materials.

Friskies will not only underwrite the exhibit's development but will also provide marketing and publicity support to augment the Natural History Museum's own promotional efforts. In addition to discount admission coupons and special advertisements designed to increase exhibit attendance, Friskies' involvement supports the production of a visitor's guide to the gallery and a brochure on responsible cat care that emphasizes pet safety, health, and nutrition.

■ EARLE HONORED BY BUSINESS ASSOCIATES

Dr. Sylvia A. Earle, famed marine biologist and former honorary staff member of the Natural History Museum, was the first recipient of the Women of Scientific Achievement Award, which was presented to her at the Women in Science luncheon in June by Dr. James L. Powell, President and Director of the museum.

In addition to being a scientist, explorer, policy maker, conservationist, and founder of an ocean engineering firm, Dr. Earle is known worldwide as a highly effective ambassador for the sea. She has pioneered underwater observations of dolphins and whales and has set new diving records while exploring unknown waters. The museum is

proud to honor Dr. Earle for her remarkable accomplishments.

The Women in Science luncheon was hosted by the museum's Business Associates and chaired by Nehama Jacobs, a member of the Business Associates Executive Committee. Special guests at the luncheon included members of an honorary committee of distinguished women from both the corporate and scientific communities as well as promising young women scientists nominated by their high schools.

■ NEW GALLERY TOURING TOOL

Education à la Cart is the latest addition to the Education Division's gallery teaching aids. This cart, handsomely illustrated by museum Graphic Artist Robert Reid, is used by Docents and trained Service Council volunteers at the Museum of Natural History, Exposition Park, to introduce visitors to the museum's extensive collections.

Education à la Cart is opened by a volunteer as part of the free public tour that begins each day at 1 p.m. in the museum foyer. Touchable artifacts, mostly reproductions and casts, fill the cart. Visitors may examine the "cartifacts" while listening to the docent's presentation before beginning explorations of the museum's galleries.

The Education à la Cart objects were purchased with money donated by the museum's Docent Roundtable, the volunteers who provide tours and outreach programs for school children.

■ MARGARET CORRIE TAYLOR

Margaret "Maggie" Taylor, a generous supporter of the Natural History Museum and a volunteer of great dedication and vision, died on June 8 in San Gabriel at age 80.



Mrs. Taylor began volunteering at the Natural History Museum in 1969, focussing on birds and mammals. For more than 20 years, she worked daily in the ornithology collections at the arduous

task of entering data on individual birds into one of the museum's earliest research and collections computer systems. As a result of her painstaking efforts, the museum's bird holdings were among the first in the world to be electronically accessible. In addition, her activities were a catalyst for the subsequent creation of a database on the mammals among the institution's 7.8 million specimens of vertebrates.

Mrs. Taylor's involvement at the museum was an outgrowth of an abiding concern for animals, education, and nature in general. In the early 1960s, shortly after she had been widowed by the death of Union Oil Company president Reese H. Taylor, she was appointed by Mayor Sam Yorty to serve on a special committee instrumental in establishing the Los Angeles Zoo. As second president of the Greater Los Angeles Zoo Association, she headed the large volunteer staff responsible for operating zoo concessions, raising funds through special events, and leading tours of the zoo for the public. Her full-time contributions in the zoo's formative years led to her being named 1967 Woman of the Year by the *Los Angeles Times*.

Through her participation behind the scenes at the Natural History Museum, Mrs. Taylor became interested in the role of the museum's research and collections staff in increasing our understanding of biodiversity. In 1972, she established the museum's Taylor Science Fund, which sponsored expeditions to collect and study the fauna of southwest Africa, the Lesser Antilles, islands in the Pacific Ocean, and other remote regions and also underwrote cultural history field work. When she accompanied expeditions, she was a hardworking member of the team, eagerly sharing the tasks of capturing, preparing, and cataloging specimens. Many new species of animals were discovered during the expeditions that she generously funded, and a bat and a reef fish have been named in her honor as recognition of her contributions to the advancement of science.

Taylor made a significant pledge in support of the museum's new hall of birds, which opened in 1984, and she arranged for the museum to acquire one of the last remaining specimens of Great Auk for display

(continued on page 14)

THE ORIGINS OF THE SUNFLOWER FAMILY

CHRYSANTHEMUMS, DAHLIAS, coreopsis, ageratum, gazanias, asters, ragweed, lettuce, and artichokes all have one thing in common—they belong to the sunflower family, known scientifically as the Compositae.* The family is so named because the typical flowers are not borne solitarily on stems, as is the case in many plants, such as tulips; instead, a number of flowers are grouped together into a “composite” cluster, or inflorescence, called a head.

One of the best ways to become acquainted with the reproductive structures of the sunflower family is to eat an artichoke, which is really an unopened bud of

never been any serious dispute about the sunflower family’s evolutionary unity. To the contrary, the group is so well circumscribed and isolated that the challenge has been to discover its nearest relatives among the other flowering plants. And because the family as a whole is relatively well advanced, it has also been difficult to say which of its members are most primitive. A number of different hypotheses for unraveling the origins of the Compositae have been proposed over the past century, but no resolution has been forthcoming—none, that is, until just recently.

Within the past 5 years, DNA analyses of plants and animals have given rise to new

methods of determining evolutionary relationships. In addition to providing techniques for identifying particular genotypes (as is done now routinely in legal cases), the new data are also being used to reconstruct evolutionary branching diagrams with a statistical precision never before possible. DNA analyses have, in fact, rekindled interest in evolutionary phenomena within biology as a whole.

DNA work by Dr. Richard Olmstead (University of Washington) and colleagues

has revealed that the sunflower family has evolutionary ties with two other families—the Calyceraceae and the Goodeniaceae, two small groups that are concentrated in southern South America and Australia, respectively. The interrelationship suggests that the common ancestor of the three families was located across Antarctica, perhaps some 50 million years ago when the continent was covered with mixed cold temperate and subtropical forests.

Further DNA work by Dr. Robert Jansen (University of Texas at Austin) has shown that a relatively unknown subtribe within the Compositae, the Barnadesiinae, is the most primitive within the entire family—a most unexpected result. The Barnadesiinae’s 9 genera and 90 species are found in southern South America, with extensions up into the middle and northern Andes. These are strange plants: many have vicious spines either on stems or leaves, and some are hummingbird pollinated, an unusual system in a family where most species rely on insects.

Work in my laboratory at the Natural History Museum of Los Angeles County has clarified the time of origin of the sunflower family and its early evolution and distribution. After creating a new evolutionary diagram (phylogeny) of the genera of Barnadesiinae, based on mor-



the entire inflorescence or head. The outside of the head consists of leaflike structures called bracts, and the inner portion is made up of very young flowers surrounded by hairs and growing from a rather flat, thick disk, the “receptacle.” After removing the bracts and eating the tender flesh at their bases, you must slice off the young flowers and hairs to get at the “heart of the choke,” which is actually the receptacle and attached stem tissue.

The Compositae constitute the second largest flowering plant family on earth, with more than 23,000 species distributed on every continent aside from Antarctica. Composites are common in all ecological zones except the humid lowland tropics; with more than 750 species, California has its share of members of this family.

Because of the distinctive reproductive morphology of its members, there has

ABOVE
Landscape at 2,700 meters (9,000 feet) in the Andes of central Chile where primitive sunflowers grow on rocky slopes. Photograph by Tod Stuessy.

RIGHT AND OPPOSITE
Chuquiraga jussieui, a representative of the primitive sunflower group Barnadesiinae, grows at 3,000 meters (10,000 feet) near Chimborazo, Ecuador. A longitudinal section of the head (right) reveals a cluster of small, straight flowers attached to a common base, the receptacle. The contrasting dark-orange color of the female styles helps make this species attractive to hummingbirds upon which it depends for pollination. Photograph by Tod Stuessy.



*An acceptable alternative name is Asteraceae.



phological features of member species rather than on DNA, we have been able to reconstruct plausible events from the subtribe's formation to its distribution throughout southern South America and into the Andes. We believe that these first representatives of the Compositae separated from their close relatives, the Calyceraceae, some 30 million years ago, in the area that we now call Patagonia. At the time, this was not the wind-swept arid land that it is today; instead, it would have been a transitional zone between moist temperate forests, which were moving northward out of Antarctica as that continent cooled, and the warmer tropical forests that were then typical of

central and northern South America.

One amazing dimension of the sunflower family is how fast it was distributed throughout other parts of the world. From its southern South American beginnings, the family is known—from fossil pollen records—to have spread to all the major continents within only 10 million years. During the broad dispersal and migration, numerous new species arose, combining to yield the diverse and widespread family of flowering plants that we know today.

DR. TOD F. STUESSY
Deputy Director for Research and
Collections

EXHIBITIONS AND SPECIAL EVENTS

■ **Sea Stars, Sea Urchins, and Allies**, through January 1997, East and West Ground Floor Galleries, Museum of Natural History, Exposition Park. More than forty color photographs of Caribbean echinoderms in their tropical habitats portray the diverse forms of these exquisite marine creatures and illuminate remarkable aspects of their lifestyles.

■ **Automobile State of the Art, 1905–1910**, through 1996, Second Floor Galleries, Petersen Automotive Museum. This exhibition of more than twenty automobiles, including a 1905 Oldsmobile Model "B" Curved Dash Runabout and a 1906 Pungs-Finch Limited, offers a glimpse into the period of transition from "horseless carriage" to modern motorcar.

■ **Arthur Drooker: Ten for the Road**, through February 1997, Second Floor Galleries, Petersen Automotive Museum. In this thought-provoking series of ten digital photographic collages, the years and states of origin of automobile license plates serve as points of departure for the artist's interpretation of cultural icons and momentous events in U.S. history.

On view in the Third Floor Galleries at the Petersen Automotive Museum:

■ **Harley Legends**, through 1996. A rare collection of vintage, new, and custom Harley-Davidsons on loan from collectors around the world chronicles the 90-year history of the sole remaining U.S. motorcycle manufacturer.

■ **Creative Wood Sculpture by W.W. Fayette**, through December 1, 1996. Meticulous craftsmanship and a thorough knowledge of the automobile mark the polished relief sculptures of this avocational artist.

■ **Angry Cars and Crowded Freeways: Works by Phil Morrell**, through 1996. With bold strokes and vivid interplay of bright and dark colors and themes, Morrell dramatizes the body language of drivers competing for space and speed.

■ **Wood on Wheels: Photographs by Gayle Fann**, through January 26, 1997. Fann showcases surfboards, sand, and beach culture kitsch, in celebration of the Woodie, the quintessential beach wagon.

PROGRAMS FOR MEMBERS AND VISITORS

LECTURES & SPECIAL EVENTS

■ HART OF THE WEST

A September Celebration

Friday through Sunday, September 27 to 29, Hart Museum and Park

The William S. Hart Park and Museum present a weekend of Western fun. Activities include a Native American Powwow and craft fair, a Wild West show, reenactments of scenes from the Civil War era, and hands-on opportunities to discover what life was like in the Old West. For more information, please call 805/259-0855.

Lecture and booksigning

■ ONE RIVER, TWO GENERATIONS

Scientific Adventure in the Amazon Rain Forest

Wednesday, September 18, 7 p.m., Connor Pavilion, Petersen Automotive Museum

In 1941 Richard Evans Schultes took a leave of absence from Harvard and disappeared into the Amazon Basin to solve the mystery of the sacred hallucinogens of the Aztec. Twelve years later he returned from South America having explored its most remote regions, mapping uncharted rivers and living among native peoples while collecting 25,000 botanical specimens.

Two decades later, Schultes sent his students Tim Plowman and Wade Davis to follow in his footsteps. The two made their own discoveries, including identifying the origin of the coca plant, the source of cocaine.

Join ethnobotanist **Dr. Wade Davis** for a vivid talk on his legendary adventures and discoveries in the Amazonian rain forests. Dr. Davis, whose book *The Serpent and the Rainbow* (Simon & Schuster, 1986) was made into a motion picture, will sign copies of his newest work, *One River* (Simon & Schuster, August 1996), following the lecture. \$7 members, \$9 nonmembers, \$5 students with I.D.

Lecture and booksigning

■ DINOSAURS OF THE FLAMING CLIFFS

Sunday, September 15, 2 p.m., Jean Delacour Auditorium, Museum of Natural History, Exposition Park

The remote sands of the Gobi Desert, closed to the West for most of the twentieth century, constitute one of the richest fossil sites in the world. In his slide-illustrated lecture, **Dr. Michael Novacek**, vice president and dean of science at the American Museum of Natural History, re-creates the day-to-day drama of his recent field work there and describes the remarkable dinosaur material that he and his international team of scientists unearthed. His new book, *Dinosaurs of the Flaming Cliff* (Doubleday, 1996), will be available for purchase at the lecture. \$7 members, \$9 nonmembers, \$5 students with I.D.

Lecture and booksigning

■ THE CAR AND THE CITY

Men, Women, and Wheels

Thursday, September 26, 7 p.m., Connor Pavilion, Petersen Automotive Museum

Since its conception in 1896, the automobile has not only changed the face of our cities, it has been a significant part of history, popular culture, and gender myths. Join us in celebrating the 100th anniversary of the

automobile with **Dr. Margaret Crawford**, professor at the Southern California Institute of Architecture and specialist in the theory of the built environment, and **Dr. Martin Wachs**, professor at the University of California, Berkeley, and the Director of the University of California Transportation Center. Drs. Crawford and Wachs will lecture and sign copies of their book, *The Car and the City* \$8 members, \$10 nonmembers, \$6 students with I.D.

Lecture and booksigning

■ VAMPIRES, BURIAL, AND DEATH

Folklore and Reality

Sunday, October 27, 2 p.m., Times Mirror Conference Center, Museum of Natural History, Exposition Park

Author **Paul Barber** surveys centuries of folklore about vampires and offers the first scientific explanation for the origins of the legends. From the tale of a sixteenth-century Breslau shoemaker, whose ghost terrorized the city, to the testimony of a doctor who presided over the exhumation and dissection of a graveyard full of Serbian vampires, we'll separate fact from Hollywood fiction. Following the lecture, Barber will entertain questions and sign copies of his book *Vampires, Burial and Death* (Yale, 1988). \$7 members, \$9 nonmembers, \$5 students with I.D.

ADULT CLASSES

■ TROWELS, GUFFAHS, AND HIEROGLYPHS

The Archaeology of Egypt and the Ancient Near East

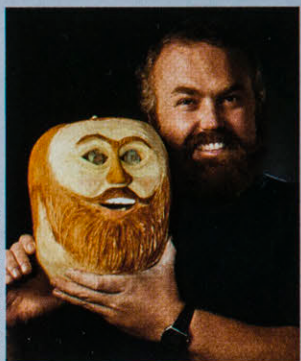
Thursdays, October 3 through November 21, 7 to 9 p.m., Museum of Natural History, Exposition Park

These eight sessions focus on the fascinating history and culture of the world's oldest civilizations, those of Egypt and Mesopotamia. The art and literature of Egypt evoke images of grand temples, devastating plagues, the fertile Nile Valley, vast deserts, mysterious rites, and an empire that reached into Syria. To Mesopotamia, Western civilization owes the origins of writing,

■ THE GREAT PUMPKIN

Sunday, October 27, 9 a.m. to noon, Education Division Classroom, Museum of Natural History, Exposition Park.

Jim Olson, the museum's Chief of Exhibits, will teach us not to carve but to sculpt a pumpkin. Olson's work has been featured in *National Geographic World Magazine* and has earned him wide acclaim. Bring your own pumpkin; participants must be age 18 or older. \$25 members, \$30 nonmembers.



PHOTOGRAPH BY DICK MEIER

THE DUELING DINOSAURS

PHOTOGRAPH BY DICK PEIER AND DAN WATSON



An Unveiling Ceremony

Saturday, October 26, Main Foyer, Museum of Natural History, Exposition Park

You are cordially invited to attend a day of festivities surrounding the official unveiling of the museum's spectacular new exhibition, the **Tamkin Dueling Dinosaurs**.

From October 15 on, the program of events will be announced on the museum's dinosaur hotline—213/744-DINO. Please save the date and plan to be present to take a close look at these awesome combatants, now permanently ensconced in the elegant splendor of the Museum of Natural History's main foyer.

■ NIGHT LIGHTS

Bioluminescence

Saturday, September 7, 5 to 11 p.m.

Here is a chance to have an unusual nighttime voyage off the coast of southern

literature, astronomy, medicine, religion, and more. In addition, Hittites, Persians, Canaanites, Philistines, and Hebrews made their contributions to this ancient world.

Archaeologist **Jay Bisno**, formerly of the Natural History Museum, the Los Angeles County Museum of Art, and the Israel Museum in Jerusalem and now teaching at the University of Judaism, will guide us on this exciting journey through the earliest civilizations. \$80 members, \$90 nonmembers.

■ BIOLOGICAL ILLUSTRATION

Tuesday evenings, September 3 through November 26, 6 to 9 p.m., Museum of Natural History, Exposition Park

Learn to create beautifully detailed and scientifically accurate images of a variety of animals and plants. Working with pencil, pen and ink, and watercolor, you will practice stippling, line drawing, and shading to create illustrations of natural specimens. Instructor **Frances Runyan** has taught illustration at the museum for over 13 years; her paintings and drawings have appeared in books and scientific journals and are represented in the collections of the Huntington Library, Carnegie Institute, and our own museum. All experience levels welcome. \$90 members, \$100 nonmembers.

■ GOURD BASKETRY

Saturday, October 5, 9 a.m. to 4 p.m., George C. Page Museum, Hancock Park

Throughout history, gourds have been used as ritual regalia, musical instruments, storage vessels, and utensils for serving food and drink. Today's peoples of Africa continue to embellish this versatile fruit in age-old ways. In our day-long workshop, artist and author **Judy Mulford** will help you create your own uniquely embellished

gourd. We'll experiment with dyeing, painting, and decorating techniques on native California gourds and even have the opportunity to top our creations with coiled California pine needles. \$55 members, \$65 nonmembers.

ADULT FIELD TRIPS

■ PICTURES IN GLASS

An Historic Tour of Los Angeles's Stained Glass

Saturday, September 21, 9:30 a.m. to 4 p.m.



PHOTOGRAPH COURTESY WILLIAM A. JUDSON

the Natural History Museum where we'll examine the stained glass dome that was designed by the Judson Studios at the turn of the century and later refurbished by our tour leader. Then we'll discover more about this art form as we visit buildings in Pasadena, Alhambra, and San Gabriel that boast Judson-designed stained glass. We'll venture on to the renowned studios themselves to uncover the secrets of the magnificent craftsmanship that has prevailed since 1897.

Transportation is by chartered motorcoach. Bring a lunch for a midday picnic. \$45 members, \$55 nonmembers.

William W. Judson, a fifth-generation member of the family that founded the Judson Studios, takes us on a fascinating tour of historic stained glass. Our trip begins in the rotunda of

California. **Professor Ed Tarvyd**, Marine Biologist from Santa Monica City College, will be our guide as we focus our attention on the myriad of marine organisms that bioluminesce—glow or produce light on their own. We'll find out how marine biologists work as we rig plankton and otter trawls to capture bioluminescent creatures; then we'll turn off the ship's deck lights to watch nature's glow show. \$50 members, \$60 nonmembers.

■ IT'S OUR FAULT!

Earthquakes In and Around Los Angeles

Saturday, October 12, 10 a.m. to 4 p.m.

Geologist **Dr. Dave Whistler** introduces seismology, the science of earthquakes and related phenomena. We'll look at the geology and geologic history of the Los Angeles Basin as we follow the San Andreas fault from Palmdale through Pearblossom to Wrightwood and over the Cajon Pass. Along the way, we'll stop at Devil's Punchbowl and identify the effects of plate tectonics and the dynamics of plate interaction. Pack a picnic lunch, and take a look at what our shaky future may hold. \$45 members, \$55 nonmembers.

■ THE STREETS OF L.A.

Saturday, November 2, 9:30 to 11:30 a.m.

On this fascinating historical tour through downtown Los Angeles, we'll visit the Water Court in California Plaza, ride the newly opened Angel's Flight, discover the history of Grand Central Market and the Bradbury Building, and hear the inspirational story behind the construction of the Biddy Mason Wall. Los Angeles Conservancy docents, including popular guide **Joe Spencer**, lead this sojourn through our city's streets. Par-

PROGRAMS FOR MEMBERS AND VISITORS CONTINUED

FAMILY FUNDAYS!

These hands-on family programs are **free** with museum admission for children ages 4 and older. They are held in the Discovery Center of the Museum of Natural History in Exposition Park. No reservations are necessary, but space in some programs is limited, so please arrive early.

■ GOLLY GEE-LOGY!

Saturday, September 21, 1:30 p.m.

Rocks and minerals revealed! Learn about geology with a museum instructor, and design your own rock collection to take home.

■ CREEPY CRAFTS

Saturday, October 26, 1:30 p.m.

Shrieks and shivers... it's Halloween! What creepy craft will artist **Alise Arato** help you create? Join us if you dare...

participation is limited, so register early for this interesting trip. \$20 members, \$25 nonmembers.

■ THE LIFE AND LAND OF THE HOPI January 19 to 25, 1997

The Hopi, descendants of the ancient Anasazi, have resided at their villages in the high mesa country of northern Arizona for many centuries. As craftspeople they are well known for their exquisite polychrome pottery, silver overlay work, coiled basketry, and intricately carved kachinas. To uncover the traditions and lifeways of these people of the Southwest, we'll visit villages and traditional sites, interact with tribal members, and observe artisans at work. Day and evening instruction throughout the program is provided by Hopi tribal members.

Six nights lodging, tours of Hopi country, and all meals are included (transportation between Los Angeles and Phoenix is provided by participants). \$890 members, \$940 nonmembers, single occupancy option an additional \$210. Registration closes November 19, 1996. Cosponsored with the Heard Museum in association with the Yavapai County Community College.



PHOTOGRAPH BY ARAM KAPRIELIAN

■ YELLOWSTONE IN WINTER February 17 through 23, 1997

Explore the wonders of Yellowstone and discover the beauty of winter in the world's first national park. On our sojourn, we'll experience the resplendent geology of the region as we visit Old Faithful, Upper and Lower Falls, Jackson Hole, and the Grand Tetons. Traveling by snowcoach and sleigh, you'll see moose, bison, otters, trumpeter swans, big horn sheep, Bald Eagles, and other wildlife attracted to the year-round warmth provided by Yellowstone's geysers and fumaroles.

We'll pass over the Continental Divide as we travel to the Old Faithful Snow Lodge, just steps from Yellowstone's Geyser Basin. We will learn about the park's current program to reintroduce wolves into the region from the director of the Teton Science School, and we'll take an open sleigh ride among thousands of wintering elk at the National Elk Refuge.

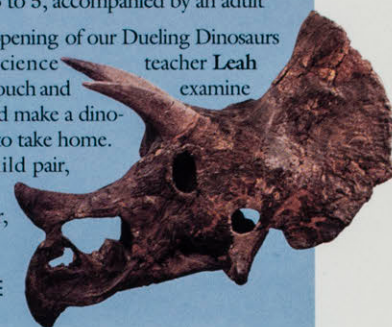
Optional opportunities include afternoons of cross-country and downhill skiing. \$1,144 members, \$1,194 nonmembers; airfare not included; a deposit of \$250 is re-

CHILDREN'S CLASSES

■ DISCOVERING DINOSAURS

Saturday, September 28, 10 a.m. to noon, Museum of Natural History, Exposition Park. Children ages 3 to 5, accompanied by an adult

Celebrate the opening of our Dueling Dinosaurs exhibit with science teacher **Leah Melber**. We'll touch and examine actual fossils and make a dinosaur craft item to take home. \$25 adult/child pair, members; \$30 adult/child pair, nonmembers.



■ DIG THOSE BONES!

Saturday, September 28, Education Division Classroom, Museum of Natural History, Exposition Park. Children ages 6 to 7, 10 a.m. to noon; children ages 8 to 11, 1 to 3 p.m.

With museum instructors, meet *Tyrannosaurus rex* and *Triceratops*, two of the most impressive dinosaurs. Examine real fossils, find out what it's like to be a paleontologist, and practice excavating bones and identifying them in a simulated dig site. \$25 members, \$30 nonmembers.

■ FOSSIL HUNTERS

Saturday, October 5, 9:30 a.m. to 12:30 p.m. Children ages 5 and older, accompanied by an adult.

Head out into the fossil-rich fields of the Ralph Clark Regional Park with the park's paleontologist, **Lisa Babilonia**. Then, at the Interpretive Center, learn how fossils are formed, where they are found, and what they can tell us. Wear sturdy shoes and long pants, and bring a picnic lunch. \$15 members, \$20 nonmembers.

■ SKELETONS IN OUR CLOSET

Saturday, October 19, 2 to 4 p.m., George C. Page Museum, Hancock Park. Children in grades 1 through 5

Get ready for Halloween with a visit to the La Brea Bone Yard! Take a tour of the museum laboratory with paleontologist **Shelley Cox** and examine real bones and X-rays with **Dr. Daniel Jacobsen**. Then enjoy a snack and create a creepy craft to take home. \$25 members, \$30 nonmembers.

■ DINO-SNORES

Overnight, Saturday, October 26, to Sunday, October 27, 7 p.m. to 8:30 a.m., Dinosaur Hall, Museum of Natural History, Exposition Park. Children ages 5 and older, accompanied by an adult.

Sleep in the shadows of *Tyrannosaurus rex* and *Triceratops*! We'll tour the Dinosaur Hall with docents, join museum instructors in a craft project, and listen to stories about ancient reptiles. An evening snack and breakfast are included. Bring a sleeping bag and air mattress. \$40 members, \$50 nonmembers.

quired upon registration, which closes November 19, 1996. Single occupancy options are available.

FAMILY PROGRAMS

■ FAKE SCARS AND SCARY CARS

Friday, October 25, 6 to 9 p.m.,
Founders Lounge, Petersen Automotive Museum. Open to children of all ages

Star Trek make-up artists offer hauntingly helpful hints for making this an unforgettable Halloween. Natural History Museum mannequin maker **Dave Cellitti** demonstrates his ghoulish skill and creates wax hands on commission. Children will be thrilled by our storyteller and mask making workshop. \$20 members, \$25 nonmembers. \$25 additional materials fee for wax hands.

■ ANZA BORREGO WEEKEND

A "Catered" Family Camping Trip

Friday through Sunday, November 1 to 3. Open to families with children of all ages

Explore the beauty of Anza Borrego State Park with museum geologist and paleontologist **Dr. Dave Whistler** and gourmet cook **Helen Whistler**. On our weekend adventure we'll learn the secrets of the desert and discover the spectacular variety of wildlife that calls this area home. We'll take nature hikes, relax in camp, and roast marshmallows around the evening campfire. Best of all, parents have time off while our trip leaders prepare all three meals on Saturday as well as breakfast on Sunday. Bring your own camping gear (tents only; no RVs or campers, please) and a sense of adventure—we'll take care of the rest. \$65 child, \$95 adult members; \$75 child, \$105 adult nonmembers.

ANNOUNCEMENTS

■ MUSEUM SEEKS VOLUNTEERS

If you are fascinated by the world of history or the natural sciences, the Natural History Museum will train you to be a docent or service council volunteer. A scientific background is not necessary, only a desire to learn and become part of a great

cultural institution. Please call the following numbers for further information.

WILLIAM S. HART MUSEUM, Newhall: call Nancy McDonald at 805/254-4584.

GEORGE C. PAGE MUSEUM OF LA BREA DISCOVERIES: call Zandra Stanley at 213/857-6305.

PETERSEN AUTOMOTIVE MUSEUM: call Linda Murray at 213/964-6347.

MUSEUM OF NATURAL HISTORY, Exposition Park: call Isabel Rosenbaum at 213/744-3341.

■ TAKE A TOUR

Add to your enjoyment of the Exposition Park museum. Guided tours of the museum are offered daily at 1 p.m. by docents; they are free with museum admission. Topics vary. All tours start at the north entrance outside of the Ethnic Arts Shop.

PUBLIC PROGRAMS RESERVATION FORM

■ **By telephone:** Use your MasterCard or VISA. Call the Education Division at 213/744-3534, weekdays, 8 a.m. to 4 p.m. Credit cards are accepted only with a minimum charge of \$20.

■ **By mail:** Complete the form below, fill in the charge information or enclose a check payable to Museum Foundation, and return your order form and payment with a self-addressed, stamped envelope. The form may be duplicated. Mail to: **Education Division, Natural History Museum, 900 Exposition Boulevard, Los Angeles, CA 90007**

■ **Important: Reservation, Waiting List and Refund Policies.** Preregistration is required for all classes, workshops, and field trips and is recommended for all other Education Division programs. Tickets to auditorium events may be purchased at the door; seating is not reserved. Reservations are not necessary for Family Fundays.

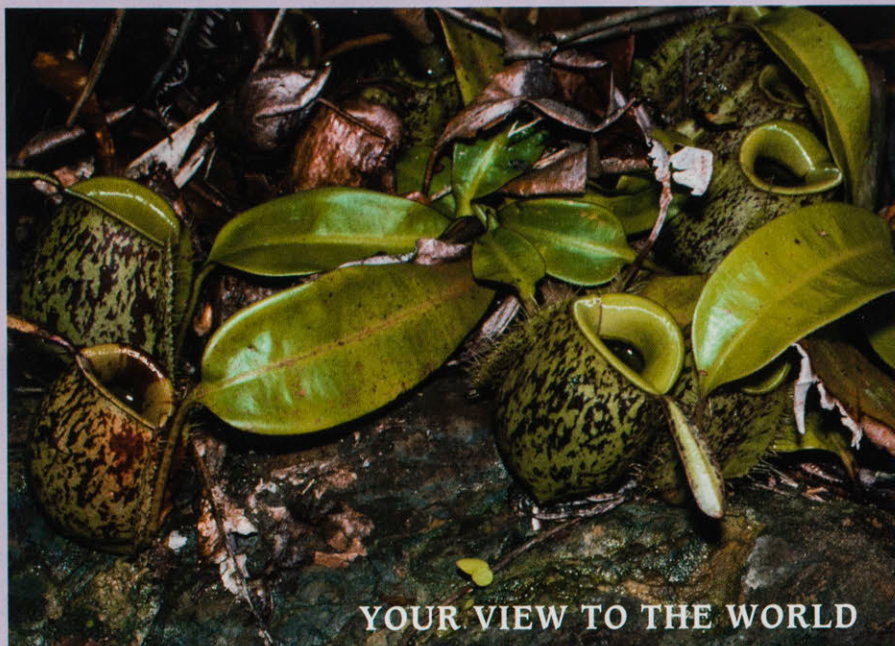
Applicants for filled programs will be placed on a waiting list and contacted if vacancies or rescheduling occur. If you have paid for a filled program, your payment will be refunded in 4-6 weeks.

Cancellations must be made one week prior to the first day of the event for the registrant to be eligible for a refund. Only if we are able to fill your space will the fee be refunded.

Dates and times of programs are subject to change, and class sizes are limited. Please call 213/744-3534 weekdays between 8 a.m. and 4 p.m. to verify program dates, times, and availability.

Mr. _____	()																																				
Mrs. _____	HOME																																				
Miss _____	()																																				
Ms. _____	BUSINESS																																				
NAME (Please Print Clearly)																																					
ADDRESS _____	CITY _____ STATE _____ ZIP CODE _____																																				
Mail to: Education Division Natural History Museum 900 Exposition Blvd. Los Angeles, CA 90007																																					
☐ My check is enclosed																																					
Charge my credit card: ☐ MasterCard ☐ VISA																																					
<table border="1"> <thead> <tr> <th>Program</th> <th>Number of participants</th> <th>Price</th> <th>Total Price</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		Program	Number of participants	Price	Total Price																																
Program	Number of participants	Price	Total Price																																		
Total Remittance _____																																					
Credit Card # _____	Expiration Date _____																																				
Signature _____																																					
Please list children's names, ages, and programs in which they are enrolling: _____ _____ _____																																					

MUSEUM TRAVEL PROGRAM



YOUR VIEW TO THE WORLD

MEXICO

January 18 to 26, 1997

Explore beautiful Spanish colonial cities, marvel at ancient ruins, and see millions of monarch butterflies in the mountains of Michoacán.

While staying at the historic Hotel la Casona in Mexico City, you'll visit the National Museum of Anthropology, Templo Mayor, and Teotihuacán. From lovely Morelia, you'll travel to Pátzcuaro and Santa Clara del Cobre, perhaps shopping for hand-crafted folk art. Two full days will be spent in the butterfly sanctuaries, observing the spectacle of millions of orange monarchs drifting through the oyamel forest.

■ \$1,695 plus airfare.

MOROCCO

February 20 to March 6, 1997

Meet us at the Kasbah! Our trip is an extravaganza of riches, from the 12th-century Kasbah of the Oudaïas in Rabat, to the wonders of Fez, the most complete Islamic medieval city in the world. Take a drive through the Middle Atlas Mountains, making a stop in Azrou to shop for kilims and wood carvings. Travel by Land Rover to the Erg Chebbi, the largest patch of desert sand in Morocco. You'll take a camel safari in Zagora, and see a

fantasia in Marrakesh. And our trip concludes with a nightcap at Rick's Café in Casablanca.

■ \$3,095 including airfare from New York.

PERU

May 3 to 17, 1997

With Dr. Karen Wise, curator of anthropology at the Natural History Museum, take an in-depth look at Peru, from colonial Lima to the soaring Andes, exploring both famous and little-known archaeological sites ranging from 500 to nearly 5,000 years old. You'll visit the North Coast, center of pre-Inca civilization, including the Moche and Chimu cultures. Highlights will be Sipan, El Brujo, Huaca del Sol, and Huaca de la Luna, as well as the enormous adobe city of Chan Chan. Next, you'll fly to Cuzco, taking time to explore its ancient and colonial past. The trip features an overnight stay at fascinating Machu Picchu.

■ \$4,100 plus airfare.

MALAYSIA AND BORNEO

June 21 to July 7, 1997

Botanist Robert Gustafson will lead this trip to one of the world's most fascinating natural history destinations. Borneo possesses one of the oldest rain forests on earth, home to a variety of flora and fauna. In

Kuching, you'll see the outstanding Sarawak Museum and Cultural Village. Bako National Park is known for its primates and abundant bird life. Gunung Mulu National Park boasts 170 species of orchids, as well as the famous Mulu Caves, which contain numerous spectacular stalactites. In Sandakan, you'll visit the Sepilok Orangutan Rehabilitation Center. You'll tour beautiful Kuala Lumpur before heading reluctantly home.

■ \$3,275 including airfare.

TOTAL SOLAR ECLIPSE

February 22 to March 1, 1998

Plan now to join us for a week in the Caribbean, and to view the last total solar eclipse in this century that will be visible from North America! You'll depart from San Juan, Puerto Rico, on Norwegian Cruise Lines' *Seaward*. Ports of call will include Aruba, Curaçao, St. Croix, and St. Thomas. There will be opportunities to snorkel and to tour historic sites and botanical gardens. On-board symposiums will address astronomy, astrophotography, and natural history topics.

■ From \$1,099 plus airfare.

Photograph by
Robert Gustafson

MUSEUM ON THE MOVE CONTINUED

(continued from page 7)

in the new gallery. Most recently, when poor health had curtailed her active participation in the work of the institution, she gave an important collection of seventeenth- and eighteenth-century books to be used to generate funding for the Taylor Science Fund.

Many staff members and volunteers of the museum remember Maggie as an altruistic colleague who championed critical areas of research and assisted in the establishment of state of the art collections care and recordkeeping. We extend our condolences to her family; her friendly and industrious presence in the museum will be greatly missed.

MEMBERSHIP NEWS

■ 1996 MEMBERS' OPEN HOUSE

For the 25th consecutive year, Natural History Museum members were invited to go behind the scenes at the Museum of Natural History in Exposition Park; approximately 3,000 people attended the April evening event. Members toured the new Education Wing, the exhibition and taxidermy laboratories, and the research and collections areas of archaeology, polychaetes, vertebrate paleontology, reptiles and amphibians, fishes, insects, crustaceans, mineralogy, birds and mammals, and echinoderms.

Special activities included African stilt-doll making, paper folding, Japanese Taiko drumming, performances by the Colburn Kids tap group, children's workshops, and appearances by Fred Flintstone® and Dino, courtesy of Hanna-Barbera, Inc.



FOR COMPLETE ITINERARIES and a listing of all 1997 Museum tours, please call Karen Hovanitz, Museum Travel Program: 213/744-3350.



Museum members enjoy displays prepared by curators and exhibition experts for the 1996 Open House. Photographs by Dick Meier.

■ UPDATE ON MEMBERSHIP BENEFITS

You may want to consider increasing your annual support of the Natural History Museum. Upper-level members, who provide crucial operational funds for the museum, receive many wonderful benefits. For example, a Contributing membership (\$100) entitles you to host a Dino Discovery birthday party for your child in the Discovery Center of the Exposition Park museum for a nominal fee; your private museum celebration includes exploration time for the young guests, a special lesson and story time, and a directed craft session. At the Patron level (\$150), you can enjoy evening exhibition previews and reciprocal membership privileges at fifteen natural history and automotive museums in North America.

You will receive invitations to exclusive events and curatorial tours of the museum's collections at the Naturalist (\$250) and Explorer (\$500) levels; Explorer members also have free parking privileges at the Natural History and Petersen museums.

If you would like to upgrade your membership, please call the Membership Office at 213/744-3426.

■ NEW IRS REGULATIONS ON MEMBERSHIP DUES

Recently, the Internal Revenue Service issued new regulations concerning the deductibility of charitable contributions such as your dues for membership in the Natural History Museum. The museum has thus recalculated the fair market value of basic membership benefits (free admission, publications, events, and discounts). For further information, please contact your tax advisor.

Membership Level	Dues	Tax-deductible Amount
Active	\$40	\$40
Family	\$50	\$50
Contributing	\$100	\$95
Patron	\$150	\$125
Naturalist	\$250	\$225
Explorer	\$500	\$450

BOARD OF TRUSTEES

1995-1996

Mrs. Jane Boeckmann*	Angus W. McBain
Franklin Otis Booth, Jr.*	Doreen B. McElvany
Millicent Hearst	Bruce A. Meyer
Boudjakdji	Stephen R. Onderdonk
Lynn W. Brengel	A.F. Osterloh III
Neal H. Brockmeyer	George C. Page
Judge Wm. Matthew Byrne, Jr.†	Ki Suh Park*
Richard Call, M.D.†	Robert E. Petersen
Edward Carson	Mrs. Thomas Reddin
Otis Chandler†	William P. Richards, Jr.
H. Frederick Christie, President	Sheldon Richman
David Comsky*	Richard K. Roeder
Mrs. Justin Dart†	Edward P. Roski, Jr.
Ted R. Estrada*	Wesley Ru*
Gary J. Fowler*	Dolores Samuelian*
Leonard R. Fuller	Richard C. Seaver
Carmen T. Garcia*	Marc A. Seidner*
Albert B. Glickman†	Kevin W. Sharer
Paul G. Haaga, Jr.	Marilyn F. Solomon
Ed N. Harrison	Mae Sue Talley†
Alex W. Hart†	William H. Tilley
Mrs. Betty O. Irvin*	Tom Tomlin
Gary N. Jacobs	Tony Trombino*
Carole Sumner Krechman*	Richard S. Volpert,* Chairman
Edward A. Landry	Barbara White-Thomson
Mrs. Kenneth Leventhal	John G. Wigmore
	Joan D. Wrede
	M. Norvel Young*

ALLIANCE BOARD OF DIRECTORS

1995-1996

Anthony Adler	Marvin H. Lewis
Lil Akers	Patricia Lombard
Phoebe Beasley	Alan G. Lowy
Walter S. Berkman	Mrs. Maurice Machris
Lois Bock	Mrs. Alden McKelvey
Lynn W. Brengel	Robert H. Nida
Donn B. Conner	J. Duross O'Bryan
Mrs. Frances Dale	Robert T. Patterson
Myrna Dubin	Judy Perlstein
Richard C. Dunsay	Cece Rasmussen
J. Shelton Ellis, Jr.††	Charles C. Read
Mrs. Robert Feinerman	Mrs. Thomas Reddin
Jonathan M. Gordon	Mrs. Charles Rinsch
Mrs. Allan M. Herbert	Helena Hacker Rosenberg
Andrew J. Hopwood	Robert Sloves
Diana Jacobs††	Kenneth R. Spencer
Frank Jansen	Mrs. Irving Stone
Marshall I. Kass	Robert Swartz
Robert Lane	Joan D. Wrede, President
Jill Laverty	Lorraine P. Young
Mrs. Kenneth Leventhal	

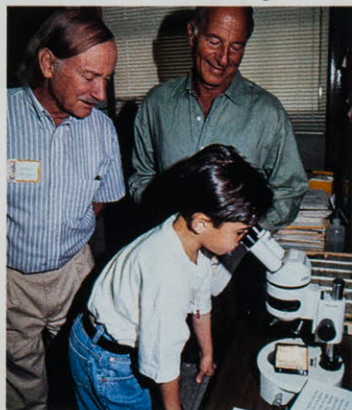
*Governor
†Trustee Emeritus
††Honorary Director

As of July 31, 1996

Members who entered the Open House drawing won prizes generously donated by California Pizza Kitchen, Color Me Mine, Kate Mantilini, the Los Angeles Coliseum and Sports Arena, the Los Angeles Master Chorale, and the Los Angeles Philharmonic. The grand prize, a trip to the Amazon International Rain Forest Workshop donated by International Expeditions and the Museum Travel Program, was won by Robert Ledoux of Santa Clarita.

Museum member Mona Trachtenberg of Van Nuys, who has been coming to the museum for more than 40 years, recently spoke of her enthusiasm for Open House. On museum visits as a child, she would sneak up the stairs leading to the third floor, hoping to catch a glimpse of a curator through the crack in the locked door. Her curiosity remained strong until, years later, she attended her first Open House. She remembers saying to her husband and children that evening, "I'm finally going through the doors I've been wanting to go through my whole life. I finally get my wish!"

The Membership Office staff thanks the



120 volunteers who made the 25th Annual Open House a success. We are also grateful to members who have supported the museum and attended Open House for so many years.

Petersen Automotive Museum (213) 964-6328